

**Abstract of the Disclosure**

A combination of a flame arrestor with a reflection suppressor is provided which not only arrests an advancing flame front, but also suppresses or mitigates a reflection wave that is generated by a pressure wave that passes through the combination and continues on to a pipe restriction what generates a reflection wave that proceeds back to the combination. At the combination, the reflection suppressor suppresses and/or mitigates the reflection wave, thereby avoiding a heightened pressure in the combination that could cause a re-ignition and a new flame front and pressure front. The reflection suppressor has a tapered profile that permits a pressure wave to pass along and past the reflection suppressor as it leaves the combination but that impedes and mitigates a returning reflection wave produced by the pressure wave striking a pipe restriction and causing such a returning reflection wave.